

# Trade of Metal Fabrication

Module 5:	Pipe Fabrication
Unit 5:	Elbow Bends
	Phase 2



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## Document Release History

Date	Version	Comments
12/02/07	First draft	
13/12/13	SOLAS transfer	

## Module 5 – Pipe Fabrication

### Unit 5 – Elbow Bends

Duration – 4.5 Hours

#### Learning Outcome:

By the end of this unit each apprentice will be able to:

- Develop patterns for pipe elbow bends
- Fabricate a pipe bend as per drawing

#### Key Learning Points:

Rk	Importance of centre lines. (For more information see Module 5 Unit 4).
Sk Rk	Centre line alignment of pieces. (For more information see Module 5 Unit 4).
Sk Rk	Flame cutting - assembly. (For more information see Module 2 Unit 2).
M	Calculate dimensions required - circumference, angles.
Sk H	Drilling - remove burrs, sharp edges. (For more information see Module 1 Unit 10).
P	Communication, work planning.

#### Training Resources:

- Fabrication workshop facilities
- Apprentice toolkit
- Drawing equipment
- Safety clothing and equipment

#### Key Learning Points Code:

M = Maths      D = Drawing      RK = Related Knowledge      Sc = Science

P = Personal Skills      Sk = Skill      H = Hazards

## **Self Assessment**

Questions on Background Notes – Module 5.Unit 5

**No Suggested Questions and Answers.**

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